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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/006,316	12/04/2001	Clarence E. Rash	920070.407	9918	
	7590 07/17/2003				
SEED INTEI SUITE 6300	SEED INTELLECTUAL PROPERTY LAW GROUP LLC			EXAMINER	
701 FIFTH AVENUE SEATTLE, WA 98104-7092			COLLINS, DARRYL J		
, , , , , ,	11 70104-7072		ART UNIT	PAPER NUMBER	
	•		2873		
			DATE MAILED: 07/17/2003		

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary 10/006,316			Applicati n No.	Applicant(s)					
Darry J. Collins 2873	Office Action Summary		10/006,316	RASH ET AL.					
The MALING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ② MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. Edifference of time may be available under the provision of 3 OFR 11360, in no event, however, may a raply be timely filled attent OX 60 MCMT/TS from the mailing date of this communication. Edifference of time may be available under the provision of 3 OFR 11360, in no event, however, may a raply be timely filled attent OX 60 MCMT/TS from the mailing date of this communication. Fallable to reply septim to set or extended period for reply will, by adultation period will apply and will expense (s) (MOMTHS from the mailing date of this communication. Fallable to reply within the side of the scale will be considered timely. If NO period for reply is specified them them them to the mailing date of the communication, even if timely filled, may reduce any service any accordance with the practice of the communication, even if timely filled, may reduce any service any accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Status 1) Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4) Claim(s) 1-3.5-17 and 19-22 is/are pending in the application. 4a) Of the above claim(s)is/are aligned. 5) Claim(s)is/are aligned. 5) Claim(s)is/are aligned. 5) Claim(s)is/are aligned. 7) Claim(s)			Examiner	Art Unit					
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THE MAILING DATE OF THIS COMMUNICATION. Editoristics of time may be available under the provisions of 30 FR 1.136(a). In no event, however, may a reply be timely fixed within SX (6) MONTS from the mailing date of this communication. Failure to reply visite the best or explication to become ABANDONED (35 U.S. C. § 133). Failure to reply visite the best or estanded period for reply visite the statistic principles (35 (MONTS from the natiling date of this communication. Failure to reply visite the best or estanded period for reply visite by statistic, eause the splication to become ABANDONED (35 U.S. C. § 133). Any reply received by the Office late than three months after the mailing date of this communication, even if timely filled, may reduce any secured palent turn adjustment. See 37 CFR 1.704(b). Status 1 \times Responsive to communication(s) filled on 29 April 2003. 2a \times This action is FINAL. 2b \times This action is non-final. 3 \times Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213. Disposition of Claims 4 \times Claim(s) 1.3.5-17 and 19-22 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5 \times Claim(s) 1.5.10.11.13 and 21 is/are rejected. 7 \times Claim(s) 2, 3, 8-9, 12, 14-17, 19-20 and 22 is/are objected to. 3 \times Claim(s) 2, 3, 8-9, 12, 14-17, 19-20 and 22 is/are objected to. 3 \times Claim(s) 3 \times 10, 13, 13, 13, 13, 13, 13, 13, 13, 13, 13	Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with th	correspondence addr	ess				
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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claim 13 recites the limitation "said at least one flat surface" in line 5 of claim 13. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1, 5, 10 and 11 are rejected under 35 U.S.C. 102(b) as being anticipated by

Winston et al. Winston et al teach all of the claimed limitations of independent claim 1 including
a system having an aperture-egress-side surface, an aperture-egress-side surface wherein the
aperture-ingress-side surface is positioned such that light originating external to the apertureingress-surface is allowed to enter an aperture-ingress (Figure 5A, element 60) and wherein the
aperture-ingress-side surface comprises one or more curved surfaces (Figure 5A, element 90).
Winston et al also teach the aperture-ingress-side surface (Figure 5A, element 90) being made to
substantially reflect light (column 4, line 57) as claimed in dependent claim 5, the curved surface
being positioned such that light rays entering into the aperture-ingress-side surface is reflected in
a direction other than the originating direction as claimed in dependent claim 10 and wherein the

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light rays are directed along a path such that the light will not cross a plane defined by an ingress of the aperture (column 4, lines 42-44) as claimed in dependent claim 11.

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The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 21 is rejected under 35 U.S.C. 102(e) as being anticipated by Kramer et al.

Kramer et al teach a system having an optical train (Figure 5) having a light source (Figure 5, element 512), an aperture-ingress-side surface (Figure 5, element 524), an aperture-egress-side surface (Figure 5, element 526) wherein the aperture-ingress-side surface is positioned such that light originating external to the aperture-ingress-side surface is allowed to enter the aperture ingress and a detector (Figure 5, element 556) oriented to capture light from the aperture as claimed in independent claim 21.

Allowable Subject Matter

Claims 2, 3, 6-9, 12, 14-20 and 22 are objected to as being dependent upon a rejected rowercome 112 rejection and/or base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Plesko and Murray et al both teach parabolic concentrators.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Darryl J. Collins whose telephone number is 703-308-6476. The examiner can normally be reached on 6:30 - 5:00 Monday - Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Georgia Y. Epps can be reached on 703-308-4883. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7724 for regular communications and 703-308-7724 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0956.

dic

July 2, 2003

Scott J. Sugarman Primary Examiner Page 4